

Notice of Allowability	Application No.	Applicant(s)	
	09/521,852	HANE ET AL.	
	Examiner	Art Unit	
	King Y. Poon	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 8/23/2004.
2. ☒ The allowed claim(s) is/are 2-12; renumbered as claims 1-11.
3. ☒ The drawings filed on 17 July 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|--|

**KING Y. POON
PRIMARY EXAMINER**

King Y. Poon

1. The following is an examiner's statement of reasons for allowance:

The invention is directed to a system and method of controlling a printing device of entering and recovering from a power saving mode.

Claim 2 identifies the uniquely distinct features of "wherein, in said normal operating mode, said print controller temporarily stores said image data in said image memory, and wherein in said power saving mode, said print controller stores in said image memory a recovery program to be used to return to said normal operating mode."

Okazawa (US 5,837,148), teaches a conventional system of controlling a printing device of entering and recovering from a power saving mode, either singularly or in combination with other cited references, fail to anticipate or render the above underlined limitations obvious (to used with other claimed limitations).

Claim 6 identifies the uniquely distinct features of "wherein said print controller has a power saving mode during which said interface circuit is and said control circuit are maintained in a normal operating state, while said CPU enters a power saving state." Okazawa (US 5,837,148), teaches a conventional system of controlling a printing device of entering and recovering from a power saving mode, either singularly or in combination with other cited references, fail to anticipate or render the above underlined limitations obvious (to used with other claimed limitations).

Claim 7 identifies the uniquely distinct features of "permitting a CPU, when a normal operating mode is shifted to a power saving mode, to load a recovery program

Art Unit: 2624

stored in a program memory into an image memory within an image-processing dedicated control circuit; and maintaining the control circuit and an interface circuit in a normal operating state, while part or all of the remainder of electronic parts enter a power saving state.” Okazawa (US 5,837,148), teaches a conventional system of controlling a printing device of entering and recovering from a power saving mode, either singularly or in combination with other cited references, fail to anticipate or render the above underlined limitations obvious (to used with other claimed limitations).

Claim 8 identifies the uniquely distinct features of “effecting a recovery of a CPU from a power saving state when shifting from a power saving mode to a normal operating mode following receipt of an interrupt originating at an interface circuit and an image-processing dedicated control circuit; permitting said recovered CPU to execute a recovery program stored in an image memory within said control circuit; and shifting all or part of electronic parts that are in the power saving mode to a normal operating state by execution of said recovery program.” Okazawa (US 5,837,148), teaches a conventional system of controlling a printing device of entering and recovering from a power saving mode, either singularly or in combination with other cited references, fail to anticipate or render the above underlined limitations obvious (to used with other claimed limitations).

Claim 9 identifies the uniquely distinct features of “permitting a CPU to load a recovery program stored in a program memory into an image memory within an image-processing dedicated control circuit; maintaining said control circuit and an interface circuit in a normal operating state, while part or all of the remainder of electronic parts

enters a power saving state; effecting a recovery of a CPU from the power saving state when a power saving mode is shifted to a normal operating mode upon receipt of an interrupt originating at said interface circuit and said control circuit." Okazawa (US 5,837,148), teaches a conventional system of controlling a printing device of entering and recovering from a power saving mode, either singularly or in combination with other cited references, fail to anticipate or render the above underlined limitations obvious (to used with other claimed limitations).

Claims 2-12 are also allowable because of the persuasive argument presented in the remarks, filed on 8/23/2004, regarding claims 2-12.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to King Y. Poon whose telephone number is (703) 305-0892.



KING Y. POON
PRIMARY EXAMINER

2/7/05